P⊘RTAL

USPTO

Search: ⊙ The ACM Digital Library   ○ The Guide

component-based framework   SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **component based framework**   Found **31,264** of **196,064**

Sort results by   `relevance                ▼`   ◆ Save results to a Binder   Try an Advanced Search
                                                                               Try this search in The ACM Guide
Display results   `expanded form         ▼`   ? Search Tips

☐ Open results in a new window

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐ ▬ ▬ ▰ ▰

1 Component-based enterprise frameworks   ▰
Grant Larsen
October 2000 **Communications of the ACM**, Volume 43 Issue 10
Publisher: ACM Press
Full text available: 📄 pdf(63.19 KB) 🔊   Additional Information: full citation, references, citings, index terms
html(10.49 KB)

2 Communication technologies: A new generation of communication aids under the   ▰
ULYSSES component-based framework
Georgios Kouroupetroglou, Alexandros Pino
July 2002   **Proceedings of the fifth international ACM conference on Assistive technologies Assets '02**
Publisher: ACM Press
Full text available: 📄 pdf(1.21 MB)   Additional Information: full citation, abstract, references, index terms

In this paper, we introduce a new generation of computer-based communication aids, designed and developed using state of the art software engineering models and architectures. The communicators we present are based on a component-based framework called ULYSSES that aims to simplify the integration of multi-vendor components into low cost products and maximizes modularity and reusability. Following the ULYSSES approach, one can build up powerful and reliable applications, adaptable to various use ...

Keywords: Augmentative and Alternative Communication (AAC), communication aids, communicators, component based development, framework architecture

3 Frameworks for component-based client/server computing   ▰
Scott M. Lewandowski
March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(243.81 KB)   Additional Information: full citation, references, citings, index terms

4 Industrial and government applications track posters: A component-based framework   ▰
for knowledge discovery in bioinformatics
Julien Etienne, Bernd Wachmann, Lei Zhang
August 2006 **Proceedings of the 12th ACM SIGKDD international conference on Knowledge discovery and data mining KDD '06**
Publisher: ACM Press
Full text available: 📄 pdf(994.29 KB)   Additional Information: full citation, abstract, references, index terms

Motivation: In the field of bioinformatics there is an emerging need to integrate all knowledge discovery steps into a standardized modular framework. Indeed, component-

based development can significantly enhance reusability and productivity for short timeline projects with a small team. We present Interactive Knowledge Discovery and Data mining *(iKDD)*, an application framework written in Java that was specifically designed for these purposes.Results: *iKDD* consists of a component-b ...

Keywords: bioinformatics, data mining, workflow

---

5 Components: A component-based application framework for manufacturing execution systems in C# and .NET

Reinhard Füricht, Herbert Prähofer, Thomas Hofinger, Josef Altmann

February 2002 **Proceedings of the Fortieth International Conference on Tools Pacific: Objects for internet, mobile and embedded applications CRPIT '02**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(1.12 MB)   Additional Information: full citation, abstract, references, index terms

This paper describes the design and realization of a component-based application framework to develop Manufacturing Execution Systems (MES). Manufacturing Execution Systems (MES) are a recently defined category of industrial software for the plant floor/manufacturing environment. The overall goal has been to enable the development of MES software systems by composition and extensions of prefabricated building blocks. The framework-based development of MES applications guarantees significant redu ...

Keywords: .NET framework, C# language, application frameworks, component-based software development, manufacturing execution systems, workflow modelling

---

6 Component-based e-commerce: assessment of current practices and future directions

Martin Bichler, Arie Segev, J. Leon Zhao

December 1998 **ACM SIGMOD Record**, Volume 27 Issue 4

Publisher: ACM Press

Full text available: pdf(759.85 KB)   Additional Information: full citation, abstract, citings, index terms

Component-based e-commerce technology is a recent trend towards resolving the e-commerce challenge at both system and application levels. Instead of delivering a system as a prepacked monolith system containing any conceivable feature, component-based systems consist of a lightweight kernel to which new features can be added in the form of components. In order to identify the central problems in component-based e-commerce and ways to deal with them, we investigate prototype ...

---

7 Towards a model-driven approach to build component-based adaptable middleware

Romain Rouvoy, Philippe Merle

October 2004 **Proceedings of the 3rd workshop on Adaptive and reflective middleware ARM '04**

Publisher: ACM Press

Full text available: pdf(310.93 KB)   Additional Information: full citation, abstract, references, citings, index terms

Adaptability is one of the goals that applications and middleware frameworks are trying to achieve. On one hand, the component paradigm is a way of reaching this goal by enforcing the reusability of functionalities involved in a component-based middleware framework. In particular, reflection could be combined with components to improve the adaptability of the structure of their assemblies. On the other hand, the model driven paradigm provides an efficient way to describe an application with e ...

Keywords: CBAM, Component-Based Adaptive Middleware, MDSE, components, models, transactions

---

8 Component-based frameworks for e-commerce

Peter Fingar

October 2000 **Communications of the ACM**, Volume 43 Issue 10

Publisher: ACM Press

Full text available: pdf(203.66 KB) html(27.14 KB)   Additional Information: full citation, references, citings, index terms

9 Component-based software engineering: Designing a component-based framework for visualization in software engineering and knowledge engineering
Casey Best, Margaret-Anne Storey, Jeff Michaud
July 2002   **Proceedings of the 14th international conference on Software engineering and knowledge engineering SEKE '02**
Publisher: ACM Press
Full text available: pdf(551.35 KB)   Additional Information: full citation, abstract, references, citings

This paper describes our experiences reengineering a visualization tool (SHriMP) into a component-based framework for visualizing software engineering and knowledge engineering projects. The framework is domain independent, customizable and supports multiple methods of integration with other tools. We share with the reader the successes and failures we encountered throughout this reengineering endeavor. We also describe how we have integrated the SHriMP framework with a knowledge management tool ...

10 Workshop and conference summaries: Report of the International Symposium on Component-Based Software Engineering
Ivica Crnkovic, Ralf Reussner, Heinz Schmidt, Kevin Simons, Judith Stafford, Kurt Wallnau
May 2005   **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 3
Publisher: ACM Press
Full text available: pdf(312.87 KB)   Additional Information: full citation, abstract, references, index terms

The International Symposium on Component-Based Software Engineering (CBSE7) was held at 28th International Conference on Software Engineering in Edinburgh, Scotland, May 24-25, 2004. The Symposium brought together researchers and practitioners from several communities: component technology, composition languages, compositional analysis, software architecture, software certification and scientific computing. The primary goal of the symposium was to continue clarifying the concepts, ide ...

11 Short papers 2: A component-based development framework for supporting functional and non-functional analysis in control system design
Johan Fredriksson, Massimo Tivoli, Ivica Crnkovic
November 2005 **Proceedings of the 20th IEEE/ACM international Conference on Automated software engineering ASE '05**
Publisher: ACM Press
Full text available: pdf(186.81 KB)   Additional Information: full citation, abstract, references, index terms

The use of component-based development (CBD) is growing in the software engineering community and it has been successfully applied in many engineering domains such as office applications and in web-based distributed applications. Recently, the need of CBD is growing also in other domains related to dependable and embedded systems, namely, in the control engineering domain. However, the widely used commercial component technologies are unable to provide solutions to the requirements of embedded s ...

Keywords: control systems, functional analysis, non functional analysis, real time embedded systems

12 Technical opinion: Component-based data mining frameworks
Fernando Berzal, Ignacio Blanco, Juan-Carlos Cubero, Nicolas Marin
December 2002 **Communications of the ACM**, Volume 45 Issue 12
Publisher: ACM Press
Full text available: pdf(110.82 KB)   Additional Information: full citation, abstract, references, citings, index terms
html(18.89 KB)

OLAP Vs. OLTP in the middle tier.

13 A component-based approach to modeling and simulating mixed-signal and hybrid systems
Jie Liu, Edward A. Lee
October 2002 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 12 Issue 4
Publisher: ACM Press
Full text available: pdf(1.07 MB)   Additional Information: full citation, abstract, references, citings, index terms

Systems with both continuous and discrete behaviors can be modeled using a mixed-signal style or a hybrid systems style. This article presents a component-based modeling

and simulation framework that supports both modeling styles. The component framework, based on an actor metamodel, takes a hierarchical approach to manage heterogeneity in modeling complex systems. We describe how ordinary differential equations, discrete event systems, and finite-state machines can be built under this metamodel ...

Keywords: Component-based modeling, Ptolemy II, actors-oriented design, hierarchical heterogeneity, hybrid systems, mixed-signal systems, simulation

14 An open system framework for component-based CNC machines
John Michaloski, Sushil Birla, C. Jerry Yen, Richard Igou, George Weinert
March 2000 **ACM Computing Surveys (CSUR)**
Publisher: ACM Press
Full text available: pdf(30.15 KB)   Additional Information: full citation, references, index terms

Keywords: API, CNC, architecture, classes, object-oriented

15 Technical Papers: CREAM: creating relational metadata with a component-based, ontology-driven annotation framework
Siegfried Handschuh, Steffen Staab, Alexander Maedche
October 2001 **Proceedings of the 1st international conference on Knowledge capture K-CAP '01**
Publisher: ACM Press
Full text available: pdf(270.14 KB)   Additional Information: full citation, abstract, references, citings, index terms

Richly interlinked, machine-understandable data constitutes the basis for the Semantic Web. Annotating web documents is one of the major techniques for creating metadata on the Web. However, annotation tools so far are restricted in their capabilities of providing richly interlinked and truely machine-understandable data. They basically allow the user to annotate with plain text according to a template structure, such as Dublin Core. We here present CREAM (Creating RElational, Annotation-based M ...

Keywords: DAML+OIL, RDF, annotations, markup, metadata, ontology, semantic web

16 Student research competition: A framework for detecting, assessing and visualizing performance antipatterns in component based systems
Trevor Parsons
October 2004 **Companion to the 19th annual ACM SIGPLAN conference on Object-oriented programming systems, languages, and applications OOPSLA '04**
Publisher: ACM Press
Full text available: pdf(119.23 KB)   Additional Information: full citation, abstract, references, index terms

Component-based enterprise systems often suffer from performance issues as a result of poor system design. In this paper, we propose a framework to automatically detect, assess and visualize poor system design, from a performance perspective, by analyzing run-time data using data mining techniques.

Keywords: antipatterns, component-based systems (CBS), data mining, dynamic analysis, enterprise java beans (EJB)

17 Designing component-based frameworks using patterns in the UML
Grant Larsen
October 1999 **Communications of the ACM**, Volume 42 Issue 10
Publisher: ACM Press
Full text available: pdf(294.74 KB)   Additional Information: full citation, references, citings, index terms
html(28.87 KB)

18

Intuitive interfaces for animation: Interactive control of component-based morphing
Yonghong Zhao, Hong-Yang Ong, Tiow-Seng Tan, Yongguan Xiao
July 2003   **Proceedings of the 2003 ACM SIGGRAPH/Eurographics symposium on Computer animation SCA '03**
Publisher: Eurographics Association
Full text available: pdf(4.63 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper presents an interactive morphing framework to empower users to conveniently and effectively control the whole morphing process. Although research on mesh morphing has reached a state where most computational problems have been solved in general, the novelty of our framework lies in the integration of global-level and local-level user control through the use of components, and the incorporation of deduction and assistance in user interaction. Given two polygonal meshes, users can choos ...

19 Technical papers: formal methods I: Cadena: an integrated development, analysis, and verification environment for component-based systems
John Hatcliff, Xinghua Deng, Matthew B. Dwyer, Georg Jung, Venkatesh Prasad Ranganath
May 2003   **Proceedings of the 25th International Conference on Software Engineering ICSE '03**
Publisher: IEEE Computer Society
Full text available:
pdf(1.68 MB)   Additional Information: full citation, abstract, references, citings, index terms
Publisher Site

The use of component models such as Enterprise Java Beans and the CORBA Component Model (CCM) in application development is expanding rapidly. Even in real-time safety/mission-critical domains, component-based development is beginning to take hold as a mechanism for incorporating non-functional aspects such as real-time, quality-of-service, and distribution. To form an effective basis for development of such systems, we believe that support for reasoning about correctness properties of component ...

20 Architectural framework modeling in telecommunication domain
Giulio Fregonese, Alessandro Zorer, Giovanni Cortese
May 1999   **Proceedings of the 21st international conference on Software engineering ICSE '99**
Publisher: IEEE Computer Society Press
Full text available: pdf(1.12 MB)   Additional Information: full citation, references, citings, index terms

Keywords: architectural patterns, design patterns, distributed systems, domain analysis, network and service management, network traffic data analysis, object-oriented framework, software architecture, software reuse

Results 1 - 20 of 200   Result page: **1**   2   3   4   5   6   7   8   9   10   next

IEEE *Xplore*
RELEASE 2.1

Welcome United States Patent and Trademark Office

□ Search Results   BROWSE   SEARCH   IEEE XPLORE GUIDE

Results for **"template and web and applications"**
Your search matched **4542** of **1476571** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

✉ e-mail

» Search Options

View Session History

New Search

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Modify Search

`template and web and applications`   [Search]

☐ Check to search only within this results set

Display Format: ⦿ Citation ○ Citation & Abstract

[view selected items]   **Select All Deselect All**   View: **1-25** | 26-5

☐ 1. **A framework for the efficient production of Web applications**
Jia Zhang; Buy, U.;
Computers and Communication, 2003. (ISCC 2003). Proceedings. Eighth IEEE
Symposium on
2003 Page(s):419 - 424 vol.1
Digital Object Identifier 10.1109/ISCC.2003.1214155

AbstractPlus | Full Text: PDF(268 KB)   **IEEE CNF**
Rights and Permissions

☐ 2. **Role Based Platform Independent Web Application Modeling**
Chengwan He; Wenjie Tu; Keqing He;
Parallel and Distributed Computing, Applications and Technologies, 2005. PDC
International Conference on
05-08 Dec. 2005 Page(s):411 - 415
Digital Object Identifier 10.1109/PDCAT.2005.208

AbstractPlus | Full Text: PDF(232 KB)   **IEEE CNF**
Rights and Permissions

☐ 3. **Constructing platform independent models of Web application**
Chengwan He; Fei He; Keqing He; Wenjie Tu;
Service-Oriented System Engineering, 2005. SOSE 2005. IEEE International V
20-21 Oct. 2005 Page(s):77 - 81
Digital Object Identifier 10.1109/SOSE.2005.8

AbstractPlus | Full Text: PDF(280 KB) **IEEE CNF**
Rights and Permissions

☐ 4. **2nd Joint IEEE International Workshop on Visual Surveillance and Perfor**
Evaluation of Tracking and Surveillance (VS-PETS)
Research in Microelectronics and Electronics, 2005 PhD
Volume 1, 25-28 July 2005 Page(s):241 - 611
Digital Object Identifier 10.1109/RME.2005.1543049

AbstractPlus | Full Text: PDF(35708 KB)   **IEEE CNF**
Rights and Permissions

☐ 5. **Scalable template-based query containment checking for Web semantic (**
Amiri, K.; Park, S.; Tewari, R.; Sriram Padmanabhan;
Data Engineering, 2003. Proceedings. 19th International Conference on
5-8 March 2003 Page(s):493 - 504

AbstractPlus | Full Text: PDF(575 KB)   IEEE CNF
Rights and Permissions

6. **Fusion: a system for business users to manage program variability**
   Weber, S.; Chan, H.; Degenaro, L.; Diament, J.; Fokoue-Nkoutche, A.; Rouvell
   Software Engineering, IEEE Transactions on
   Volume 31, Issue 7, July 2005 Page(s):570 - 587
   Digital Object Identifier 10.1109/TSE.2005.82

   AbstractPlus | Full Text: PDF(1168 KB)   IEEE JNL
   Rights and Permissions

7. **XSLT template design for generating the Web presentation layer**
   Jung-Hwa Chae; Cheol-Jung Yoo; Yong-Sung Kim; Ok-Bae Chang;
   Software Engineering Conference, 2003. Tenth Asia-Pacific
   2003 Page(s):396 - 404
   Digital Object Identifier 10.1109/APSEC.2003.1254394

   AbstractPlus | Full Text: PDF(333 KB)   IEEE CNF
   Rights and Permissions

8. **Architecting a Service-Oriented Collaborative Web**
   Jing-Ying Chen;
   Telecommunications, 2006. AICT-ICIW '06. International Conference on Intern
   Applications and Services/Advanced International Conference on
   19-25 Feb. 2006 Page(s):135 - 135
   Digital Object Identifier 10.1109/AICT-ICIW.2006.51

   AbstractPlus | Full Text: PDF(176 KB)   IEEE CNF
   Rights and Permissions

9. **Using Generative Design Patterns to Develop Network Server Application**
   Zhuang Guo; Schaeffer, J.; Szafron, D.; Earl, P.;
   Parallel and Distributed Processing Symposium, 2005. Proceedings. 19th IEEF
   04-08 April 2005 Page(s):178a - 178a
   Digital Object Identifier 10.1109/IPDPS.2005.444

   AbstractPlus | Full Text: PDF(136 KB)   IEEE CNF
   Rights and Permissions

10. **The Diesel Combustion Collaboratory: Combustion Researchers Collabo
    Internet**
    Pancerella, C.M.; Rahn, L.; Yang, C.;
    Supercomputing, ACM/IEEE 1999 Conference
    13-18 Nov. 1999 Page(s):64 - 64
    Digital Object Identifier 10.1109/SC.1999.10027

    AbstractPlus | Full Text: PDF(424 KB)   IEEE CNF
    Rights and Permissions

11. **Code generation for WSLAs using AXpect**
    Swint, G.S.; Pu, C.;
    Web Services, 2004. Proceedings. IEEE International Conference on
    6-9 July 2004 Page(s):134 - 141
    Digital Object Identifier 10.1109/ICWS.2004.1314732

    AbstractPlus | Full Text: PDF(896 KB)   IEEE CNF
    Rights and Permissions

12. **A visual approach to development of Web services providers/requestors**
    Jamroendararasame, K.; Suzuki, T.; Tokuda, T.;
    Human Centric Computing Languages and Environments, 2003. Proceedings.
    Symposium on
    28-31 Oct. 2003 Page(s):251 - 253
    Digital Object Identifier 10.1109/HCC.2003.1260239

AbstractPlus | Full Text: PDF(308 KB)   IEEE CNF
Rights and Permissions

13. **Architectures Supporting RosettaNet**
Jing Wang; Yeong-Tae Song;
Software Engineering Research, Management and Applications, 2006. Fourth
Conference on
09-11 Aug. 2006 Page(s):31 - 39
Digital Object Identifier 10.1109/SERA.2006.18

AbstractPlus | Full Text: PDF(360 KB)   IEEE CNF
Rights and Permissions

14. **Static analysis of XML transformations in Java**
Kirkegaard, C.; Moller, A.; Schwartzbach, M.I.;
Software Engineering, IEEE Transactions on
Volume 30, Issue 3, March 2004 Page(s):181 - 192
Digital Object Identifier 10.1109/TSE.2004.1271173

AbstractPlus | References | Full Text: PDF(897 KB)   IEEE JNL
Rights and Permissions

15. **Structuring business models in a Web representation**
Kaindl, H.;
System Sciences, 2003. Proceedings of the 36th Annual Hawaii International (
6-9 Jan 2003 Page(s):10 pp.
Digital Object Identifier 10.1109/HICSS.2003.1174233

AbstractPlus | Full Text: PDF(463 KB)   IEEE CNF
Rights and Permissions

16. **Estimating computation times in data intensive e-services**
Krishnaswamy, S.; Zaslasvky, A.; Seng Wai Loke;
Web Information Systems Engineering, 2003. WISE 2003. Proceedings of the
International Conference on
10-12 Dec. 2003 Page(s):72 - 80

AbstractPlus | Full Text: PDF(279 KB)   IEEE CNF
Rights and Permissions

17. **Toward formalizing service integration glue code**
Davis, L.; Gamble, R.; Hepner, M.; Kelkar, M.;
Services Computing, 2005 IEEE International Conference on
Volume 1, 11-15 July 2005 Page(s):165 - 172 vol.1
Digital Object Identifier 10.1109/SCC.2005.98

AbstractPlus | Full Text: PDF(304 KB)   IEEE CNF
Rights and Permissions

18. **Automated question answering: review of the main approaches**
Andrenucci, A.; Sneiders, E.;
Information Technology and Applications, 2005. ICITA 2005. Third Internationa
Volume 1, 4-7 July 2005 Page(s):514 - 519 vol.1
Digital Object Identifier 10.1109/ICITA.2005.78

AbstractPlus | Full Text: PDF(136 KB)   IEEE CNF
Rights and Permissions

19. **OntologyWinnowing: A Case Study on the AKT Reference Ontology**
Alani, H.; Harris, S.; O'Neill, B.;
Computational Intelligence for Modelling, Control and Automation, 2005 and Ir
Conference on Intelligent Agents, Web Technologies and Internet Commerce,
Conference on
Volume 2, 28-30 Nov. 2005 Page(s):710 - 715
Digital Object Identifier 10.1109/CIMCA.2005.1631552

AbstractPlus | Full Text: PDF(248 KB)   IEEE CNF
Rights and Permissions

20. **WISBuilder: A Framework for Facilitating Development of Web-Based Inf**
Systems
Ortiz-Cornejo, A.I.; Cuayahuitl, H.; Perez-Corona, C.;
Electronics, Communications and Computers, 2006. CONIELECOMP 2006. 1(
Conference on
27-01 Feb. 2006 Page(s):46 - 46
Digital Object Identifier 10.1109/CONIELECOMP.2006.65

AbstractPlus | Full Text: PDF(472 KB)   IEEE CNF
Rights and Permissions

21. **The Authorization Service of Tivoli Policy Director**
Karjoth, G.;
Computer Security Applications Conference, 2001. ACSAC 2001. Proceeding:
10-14 Dec. 2001 Page(s):319 - 328

AbstractPlus | Full Text: PDF(240 KB)   IEEE CNF
Rights and Permissions

22. **Composing Web services for large-scale tasks**
In-Young Ko; Neches, R.;
Internet Computing, IEEE
Volume 7, Issue 5, Sept.-Oct. 2003 Page(s):52 - 59
Digital Object Identifier 10.1109/MIC.2003.1232518

AbstractPlus | References | Full Text: PDF(817 KB)   IEEE JNL
Rights and Permissions

23. **A polyarchical middleware for self-regenerative invocation of multi-stand**
services
Yu, M.; Taleb-Bendiab, A.; Reilly, D.;
Web Services, 2004. Proceedings. IEEE International Conference on
6-9 July 2004 Page(s):410 - 417
Digital Object Identifier 10.1109/ICWS.2004.1314765

AbstractPlus | Full Text: PDF(291 KB)   IEEE CNF
Rights and Permissions

24. **A visual approach for generating server page type Web applications bas**(
method
Taguchi, M.; Suzuki, T.; Tokuda, T.;
Human Centric Computing Languages and Environments, 2003. Proceedings.
Symposium on
28-31 Oct. 2003 Page(s):248 - 250
Digital Object Identifier 10.1109/HCC.2003.1260238

AbstractPlus | Full Text: PDF(313 KB)   IEEE CNF
Rights and Permissions

25. **Client and legacy integration in object oriented Web engineering**
Goeschka, K.M.; Schranz, M.W.;
Multimedia, IEEE
Volume 8, Issue 1, Jan.-March 2001 Page(s):32 - 41
Digital Object Identifier 10.1109/93.923951

AbstractPlus | References | Full Text: PDF(972 KB)   IEEE JNL
Rights and Permissions

Help   Contact Us   Privacy &